

II. AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the application:

1-11. (Canceled).

12. (Currently Amended) A computer-implemented method for resolving prerequisites for client devices in an Open Service Gateway Initiative (OSGi) framework, comprising:

determining, on a server, necessary prerequisites for an OSGi bundle to be run on a client device;

identifying possible combinations of OSGi bundles on the server that fulfill any of the necessary prerequisites that are lacking from the client device;

accessing, from the server, a configuration corresponding to the client device, wherein the configuration sets forth computer resource types and corresponding normalization factors and importance factors for the client device; and

selecting a final combination of OSGi bundles from the possible combinations of OSGi bundles by processing the configuration based on amounts the computer resources needed by each of the possible combinations of OSGi bundles,

wherein the selecting step comprises:

determining amounts of the computer resources needed by each of the possible combinations of OSGi bundles;

determining products for each of the possible combinations of OSGi bundles by multiplying each of the amounts by the corresponding normalization factors and importance factors set forth in the properties files;

determining a composite score for each of the possible combinations of OSGi bundles by summing the corresponding products; and

selecting the final combination of OSGi bundles from the possible combinations of OSGi bundles based on the composite scores.

13. (Original) The method of claim 12, further comprising:

querying the client device to determine if the client device has the necessary prerequisites;
and

receiving a response from the client device that identifies any of the necessary prerequisites that are lacking on the client device, prior to the determining step.

14. (Original) The method of claim 13, further comprising caching the response on the server.

15. (Canceled).

16. (Currently Amended) The method of claim [[15]] 12, wherein the possible combination of OSGi bundles having the lowest composite score is selected as the final combination of OSGi bundles.

17. (Original) The method of claim 12, wherein the configuration is accessed from among a group of properties files, and wherein each of the group of properties files is configured for a specific client device.

18. (Original) The method of claim 12, wherein the computer resources types are selected from the group consisting of a bundle storage requirement, a new space size, an old space size, an open file quantity, a quota, a memory requirement, a socket quantity, and a thread quantity.

19. (Original) The method of claim 12, wherein the prerequisites comprise at least one of a service and a package.

20. (Original) The method of claim 12, wherein the method is performed recursively.

21-31. (Canceled).